**Pre/Post Evaluation Phase Progress**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Experiment** | **Block\_1**  **Female** | **Block\_6**  **Outdoor** | **Block\_7**  **Indoor** | **Block\_5**  **Outdoor** | **Block\_4**  **Male** | **Block\_2**  **Female** | **Block\_8**  **Indoor** | **Block\_3**  **Male** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **A black and white sign with text  Description automatically generated180 Seconds** | **A black screen with white text  Description automatically generated5 Seconds** | **A grey rectangular object  Description automatically generated7 Seconds** | **1 Second** | | **…** | **1 Second** | ***A black and white sign with text  Description automatically generated***  **10 Seconds** |
| **For the signal to be settled** | **Instruction** | **Grey Image (Baseline (Bs))** |  | **Activity Images**  **(As)** | | | **The rest between two blocks** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Offline Analysis** | | | | | | | | | |
| **Bandpass Filtering** | **Artifact Rejection** | **Denoising** | **Normalizing across blocks (Z-Scoring)** | **Baseline Rejection**  **As-Mean (Bs)** | **Epoching** | **ERP** | **Wavelet Transform** | **Hilbert Envelop** | **Classifier Development** |
| **Signal Pre-processing** | | | | | | **Signal Processing** | | | |

**Block’s EEG Data**